



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Pakola *et al.*  
Serial No.: 10/729,475  
Filing Date: December 5, 2003  
Docket No.: 113476.122US1  
Title: Pharmacological Vitreolysis

Art Unit: 1651  
Examiner: Not Yet Assigned  
Conf. No.: 3082  
Cust. No.: 23483

CERTIFICATION UNDER 37 C.F.R. § 1.10

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Brenda Robles  
Brenda Robles

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P.O. Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Applicants and their legal representatives hereby make of record on the attached PTO Form-1449 the following publications, which are known to them and considered warranting disclosure under 37 C.F.R. § 1.56. The best available copies of each of these publications, excluding the U.S. Patents and published applications, are enclosed.

This Information Disclosure Statement is being filed under 37 C.F.R. § 1.97(b)(3) before the mailing date of the first Office Action on the merits, therefore no fee is believed to be due.

Applicants state that U.S. Patent No. 5,288,489 was cited in an International Search Report issued

in connection with counterpart Patent Cooperation Treaty Application No. PCT/US03/38714. A copy of the International Search Report is also enclosed for the Examiner's review.

It is respectfully requested that the information above be expressly considered during the prosecution of this application and that the publications be made of record therein and appear among the "References Cited" on any patent to issue therefrom. *In this regard, it is requested that the Examiner initial and return a copy of the enclosed Form PTO-1449 with the next Patent Office Communication.*

This submission does not represent that a search has been made and does not constitute an admission that the listed documents are material to patentability or that the listed documents are prior art. If it should be determined that any of the listed documents constitute "prior art" under United States law, Applicants reserve the right to present to the Office the relevant facts and law regarding the significance of such documents to the patentability of the claimed invention.

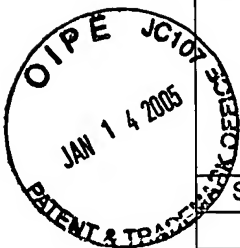
Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

This Information Disclosure Statement is being filed under 37 C.F.R. § 1.97(b)(3) before the mailing date of the first Office Action on the merits and is therefore submitted as both timely and proper; therefore, no fees are believed to be due for this Information Disclosure Statement. The Commissioner, however, is hereby authorized to charge any fees necessary to maintain the pendency of this application to Deposit Account No. 08-0219.

Respectfully submitted,

Date: January 14, 2005  
WILMER CUTLER PICKERING  
HALE AND DORR LLP  
60 State Street  
Boston, MA 02109  
(617) 526-6000  
(617) 526-5000 (Facsimile)

Hollie L. Baker Reg. # 52,770 for  
Hollie L. Baker  
Reg. No. 31,321  
Attorney/Agent for Applicants



Subt. For, PTO-1449				Docket Number 113476.122US1		Application Number 10/729,475	
<b>INFORMATION DISCLOSURE IN AN APPLICATION</b>  <i>(Use several sheets if necessary)</i>				Applicant <b>Pakola, et al.</b>			
				Filing Date <b>December 5, 2003</b>		Group Art Unit <b>1651</b>	
Sheet	1	OF	3				

U.S. Patent Documents				
Examiner Initial	Document Number	Publn. Date mm-dd-yyyy	Name Of Patentee Or Applicant Of Cited Documents	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear
	US-4,774,087	09/27/88	Wu et al.	
	US-4,820,516	04/11/89	Sawyer et al.	
	US-5,288,489	2/22/94	Reich et al.	
	US-5,292,509	03/08/94	Hageman	
	US-5,304,118	04/19/94	Trese et al.	
	US-5,722,428	03/03/98	Kaplan et al.	
	US-5,866,120	02/02/99	Karageozian et al.	
	US-6,051,698	04/18/00	Janjic et al.	
	US-6,207,066	03/27/01	Trese et al.	
	US-6,183,692	02/06/01	Trese et al.	
	US-6,462,071	10/08/02	Castillejos	
	US-6,596,725	07/22/03	Peterson et al.	
	US-6,610,292	08/26/03	Karageozian et al.	
	US-2002/0139378	10/03/02	Trese et al.	
	US-2003/0012778	01/16/03	Zimmerman et al.	
	US-2003/0147877	08/07/03	Trese et al.	
	US-2003/0175263	09/18/03	Trese et al.	

Foreign Patent Documents					
Examiner Initial	Cite No.	Foreign Patent Document	Publn. Date mm-dd-yyyy	Country	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear
		Country Code-Number-Kind			
		WO 98/52602	05/22/98	PCT	
		WO 02/50290	12/20/01	PCT	

EXAMINER	DATE CONSIDERED
<b>EXAMINER:</b> Initial if citation is considered, whether or not citation is in conformance with MPEP § 609: Draw Line through citation if not conformance and not considered. Include copy with next communication to applicant.	

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Sheet	2	OF	3				

Examiner's Initial	Other Documents (Including Author, Title, Date Pertinent Pages, Etc.)	
	AA	Berman et al., "Evidence for a role of the plasminogen activator-plasmin system in corneal ulceration," <i>Invest Ophthalmol Vis Sci.</i> , 19(10):1204-21 (October 1980).
	AB	Castellino and Powell, "Human plasminogen," <i>Methods Enzymol.</i> , 80 Pt C:365-78 (1981).
	AC	Castellino et al., "Kring domains of human plasminogen," <i>Ciba Found. Symp.</i> , 212:46-60 (1997).
	AD	Castellino et al., "The existence of independent domain structures in human Lys77-plasminogen," <i>J Biol Chem.</i> , 256(10):4778-82 (May 25, 1981).
	AE	Chow et al., "Successful Closure of Traumatic Macular Holes," <i>Retina</i> , 19(5):405-409 (1999).
	AG	Forsgren et al., "Molecular cloning and characterization of a full-length cDNA clone for human plasminogen," <i>FEBS Lett.</i> , 213(2):254-60 (March 23, 1987).
	AH	Gandorfer et al., "Ultrastructure of the vitreoretinal interface following plasmin assisted vitrectomy," <i>Br. J. Ophthalmology</i> , 85:6-10 (2001).
	AI	Gandorfer et al., "Vitreoretinal Morphology of Plasmin-Treated Human Eyes," <i>Am. J. Ophthalmol.</i> , 133(1):156-159 (January 2002).
	AJ	Gandorfer et al., "Plasmin-assisted vitrectomy eliminates cortical vitreous remnants," <i>Eye</i> , 16:95-97 (2002).
	AK	Hikichi et al., Posterior vitreous detachment induced by injection of plasmin and sulfur hexafluoride in the rabbit vitreous," <i>Retina</i> , 19:55-58 (1999).
	AL	Immonen et al., "Plasmin in subretinal fluid," <i>Acta Ophthalmol.</i> (Copenh.), 66(6):647-51 (December 1988).
	AM	Immonen et al., "Tissue-type plasminogen activator in subretinal fluid," <i>Curr Eye Res.</i> , 8(3):249-52 (March 1989).
	AN	Lasters et al., "Enzymatic properties of phage-displayed fragments of human plasminogen," <i>Eur J Biochem.</i> , 244(3):946-52 (March 15, 1997).
	AO	Lijnen et al., "On the role of the carbohydrate side chains of human plasminogen in its interaction with alpha 2-antiplasmin and fibrin," <i>Eur. J. Biochem.</i> , 120(1):149-54 (November 1981).
	AP	Liotta et al., "Effect of plasminogen activator (urokinase), plasmin, and thrombin on glycoprotein and collagenous components of basement membrane," <i>Cancer Res.</i> , 41(11 Pt 1):4629-36 (November 1981).
	AQ	Mandl, "Bacterial collagenases and their clinical applications," <i>Arzneimittelforschung</i> , 32(10a):1381-4 (1982).
	AR	Margherio et al., "Plasmin enzyme assisted vitrectomy in traumatic pediatric macular holes," <i>Ophthalmology</i> , 105:1617-1620 (1998).
	AS	Moorhead et al., "Bacterial collagenase. Proposed adjunct to vitrectomy with membranectomy," <i>Arch. Ophthalmol.</i> , 98(10):1829-39 (October 1980).
	AT	Moorhead et al., "Enzyme-assisted vitrectomy with bacterial collagenase. Time course and toxicity
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